APRIL/MAY 2025

FECS64C/CECS64C — CLOUD COMPUTING

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What are the benefits of using cloud services?
2. Give some examples of cloud services.
3. What is SDLC in cloud computing?
4. Write the benefits of virtualization.
5. What does EMC do?
6. What programming language support cloud infrastructure development?
7. Define data centre networking.
8. What are the major challenges for cloud computing now?

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9. What are the types of application security?

10. How does a virtual machine provide security?

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the advantages and disadvantages of cloud computing.

Or

(b) Briefly explain about the cloud computing management.

12. (a) Differentiate the cloud networking and cloud computing.

Or

(b) Describe the cloud computing environment.

13. (a) Discuss the working principle of Map Reduce.

Or

(b) Demonstrate the Aneka programming models.

14. (a) Examine the open source tools for PaaS in cloud computing.

Or

(b) Explain the open source tools for research.

15. (a) Write the major challenges and risks in cloud security.

Or

(b) Explain tile capabilities of security monitoring application.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the cloud computing deployment models.

17. Illustrate the web software process models for cloud.

18. Elucidate the parallel and distributed programming paradigms.

19. Describe the networking issues in data centers.

20. Explain the Advance concepts in cloud computing.

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